Journal of Applied Polymer Science

Author Index—Volume 75

Adhikari, B. See De, D., 1493
Alaeddinoğlu, N. G. See Arica, M. Y., 1685
Alcaina-Miranda, I. See Bueso, L., 1424
Ali, Z. I. See Zeid, H. M. A., 179
Almanza, O. See Rodríguez-Pérez, M. A., 156
Ameduri, B. See Boutevin, G., 1655
Amin, K. G. See Patel, K. J., 1345
Anirudhan, T. S. See Sreedhar, M. K., 1261
Arda, E. See Pekcan, Ö., 1075
Arecón, D. See Rodríguez-Pérez, M. A., 156
Arica, M. Y.
—; Şenel, S.; Alaeddinoğlu, N. G.; Patir, S.; Denizli, A.: Invertase Immobilized on Spacer-Arm Attached Poly(hydroxyethyl methacrylate) Membrane: Preparation and Properties, 1685
Aroğuz, A. Z.
—; Baysal, B. M.: Thermal, Mechanical, and Morphological Characterization Studies of Poly(2,6-dimethyl-1,4-phenylene oxide) Blends with Polystyrene and Brominated Polystyrene, 225
Athawale, V.
—; Kolekar, S.: Uralkyd and Poly(butyl Methacrylate) Interpenetrating Polymer Networks, 825
Atvars, T. D. Z. See Dibbern-Brunelli, D., 815

Bai, Y. B. See Qian, X. M., 721
Balas, A. See Debowski, M., 728
Ban, B. S.
—; Kim, Y. B.: Polymer Cluster Orientation and Optical Phase Retardation of the Rubbed Polyimide Surfaces, 1734
Barba, C. See Boix, J. M., 1708
Bareau, A. See Taoudi, H., 1561
Barman, A. See Ghosh, M., 1480
Bartkowiak, A. See Nurdin, N., 1165
Bataille, P. See Poormahdian, S., 833
Batyrbekov, E. O. See Iskakov, R., 35
Bauchiere, D.
—; Halary, J. L.; Monnerie, L.; Schirrer, R.: Relationships between Thermally Induced Residual Stresses and Architecture of Epoxy-amine Model Networks, 638
Bayraktar, Z.
—; Kiran, E.: Miscibility, Phase Separation, and Volumetric Properties in Solutions of Poly(dimethylsiloxane) in Supercritical Carbon Dioxide, 1397
Bayram, G. See Yilmazer, U., 1371
Baysal, B. M. See Aroğuz, A. Z., 225
Bazgir, S. See Katbab, A. A., 1127
Bebelman, S. See Daoust, D., 96
Bechara, E. J. H. See Stevani, C. V., 1632
Beerlage, M. A. M.
—; Peeters, J. M. M.; Nolten, J. A. M.; Mulder, M. H. V.; Strathmann, H.: Hindered Diffusion of Flexible Polymers Through Polyimide Ultrafiltration Membranes, 1180
Behary, N.
—; Ghenaim, A.; El Achari, A.; Caze, C.: Tribological Analysis of Glass Fibers Using Atomic Force Microscopy (AFM)/Lateral Force Microscopy (LFM), 1013
Berek, D.
—; Nguyen, S. H.; Pavlinec, J.: Molecular Characterization of Random Copolymers: 1. Potential and Limitations of Full Adsorption-Desorption Procedure in Separation of Statistical Copolymers, 857
Berlin, P. See Tiller, J., 904
Bernabeu, E. See Boix, J. M., 1708
Bernede, J. C. See Taoudi, H., 1561
Bharti, V. See Xu, H.-S., 945
Bhowmick, A. K. See Majumder, P. S., 784
Boix, J. M.
—; Bernabeu, E.; Barba, C.: An Optical Microstructural Model for Blown Polyethylene Films, 1708
Bonfield, W. See Tsuji, H., 629
Bongiovanni, R.
—; Malucelli, G.; Messori, M.; Pilati, F.; Priola, A.; Tonelli, C.; Toselli, M.: Acrylic Polyester Resins Containing Perfluoropolyethers Structures: Synthesis, Characterization, and Photopolymerization, 651
Bonnet, A. See Taoudi, H., 1561
Bonora, M. See Mar'in, A. P., 883, 890; Mar'in, P., 897
Borve, K. L.
—; Kotlar, H. K.; Gustafson, C.-G.: Kinetic and Processing Aspects of Polypropylene-Phenol Formaldehyde Compatibilizer Preparation. Theory and Practice, 371
—; Kotlar, H. K.; Gustafson, C.-G.: Polypropylene-Phenol Formaldehyde Based Compatibilizers: 1. Preparation and Characterization, 347
—; Kotlar, H. K.; Gustafson, C.-G.: Polypropylene-Phenol Formaldehyde Based Compatibilizers: 2. Application in PP/PA6 75/25 (wt/wt), 355
—; Kotlar, H. K.; Gustafson, C.-G.: Polypropylene-Phenol Formaldehyde Based Compatibilizers: 3. Application in PP/PBT and PP/PPE Blends, 361

Borzatta, V. See Mar'in, A. P., 883, 890; Mar'in, P., 897
Bourdonneau, M. See Crini, G., 1288
Boutevin, B. See Boutevin, G., 1655
Boutevin, G.
—; Ameduri, B.; Boutevin, B.; Joubert, J.-P.: Synthesis and Use of Hydroxyl Telechelic Polybutadienes Grafted by 2-Mercaptoethanol for Polyurethane Resins, 1655
Bretas, R. See Da Silva, A. L. N., 692
Bretas, R. E. S. See Giudici, R., 1416
Brown, J.
—; Hamerton, I.; Howlin, B. J.: Preparation, Characterization, and Thermal Properties of Controllable Metal–Imidazole Complex Curing Agents for Epoxy Resins, 201
Brown, R. See Lozinsky, V. I., 1740
Buchhammer, H.-M. See Petzold, G., 16
Budrugeac, P.
—; The Effect of Oxygen Pressure on the Kinetics of Thermo-oxidative Degradation of the Copolymer EVA and Nitrile–Butadiene Rubber, 1453
Bueso, L.
—; Osorio-Galindo, M.; Alcaina–Miranda, I.; Ribes-Greus, A.: Swelling Behavior of Pervaporation Membranes in Ethanol–Water Mixtures, 1424
Buruiană, E. See Robilă, G., 1385
Buruiană, T. See Robilă, G., 1385

Canaple, L. See Nurdin, N., 1165
Castro, A. See Núñez, L., 291
Caze, C. See Behary, N., 1013; Louati, M., 10
Cecchin, G. See D'Orazio, L., 553
Chang, C.-I. See Wang, C., 1033
Charmas, W. See Jabłońska-Pikus, T., 142
Chatterjee, S. See Ghosh, M., 1480
Chaupart, N. See Daoust, D., 96
Cheikhalard, T.
—; Massardier, V.; Pascault, J. P.: Block Copolymers Derived from 2,2′ Azobis (2-Cyanopropanol). II. Morphologies and Properties of Poly(urethane-block-methyl methacrylate) and Poly(urethane-block-styrene), 437
Cheng, G. X. See Wan, Y. Z., 987, 994
Cheng, Z.-Y. See Xu, H.-S., 945
Chen, J.
—; Shen, J.: Swelling Behaviors of Polyacrylate Superabsorbent in the Mixtures of Water and Hydrophilic Solvents, 1331
—; Zhao, Y.: The Relationships Between Water Absorbency and Reaction Conditions in Aqueous Solution Polymerization of Polyacrylate Superabsorbents, 808
Chen, J. See Yan, J., 536; Zhang, L., 1083
Chen, J.-W.
—; Chen, L.-W.: Kinetics of Diethylene Glycol Formation from Bishydroxyethyl Terephthalate with Proton Catalyst in the Preparation of PET, 1221
—; See Chen, L.-W., 1229
Chen, L.-W.
—; Chen, J.-W.: The Kinetics of Diethylene Glycol Formation from Bis-hydroxyethyl Terephthalate with Zinc Catalyst in the Preparation of Poly(ethylene terephthalate), 1229
—; See Chen, J.-W., 1221
Chen, R. H.
—; Tsaih, M. L.: Urea-Induced Conformational Changes of Chitosan Molecules and the Shift of Break Point of Mark–Houwink Equation by Increasing Urea Concentration, 452
Chen, S. C.
—; Chen, Y. C.; Peng, H. S.: Simulation of Injection–Compression-Molding Process. II. Influence of Process Characteristics on Part Shrinkage, 1640
Chen, X. See Feng, Y., 475; Zhang, G., 977
Chen, Y. C. See Chen, S. C., 1640
Chen, Z.
—; Huang, C.; Liu, S.; Zhang, Y.; Gong, K.: Synthesis, Characterization and Properties of Clay-Polyacrylate Hybrid Materials, 796
Cho, C.-S. See Nah, J.-W., 1115
Cho, D.
—; Drzal, L. T.: Characterization, Properties, and Processing of LaRC PETI-5 as a High-Temperature Sizing Material: Part 2. Thermal Characterization, 1278
Choi, H. J.
—; Park, S. H.; Kim, J. K.; Jun, J. I.: Effects of Acrylonitrile Content on PC/ABS Alloy Systems with a Flame Retardant, 417
—; Sim, I. S.; Lim, S. T.; Jhon, M. S.: Rod-Climbing in a Particle-Suspended Polymeric Liquid, 572
Choi, S C. See Won, J., 1554
Choi, S.-S.
—; Influence of Rubber Composition on Change of Cross-link Density of Rubber Vulcanizates with EV Cure System by Thermal Aging, 1378
Chojnowski, J. See Sauvet, G., 1005
Chou, T.-J.
—; Hong, P.-D.; Tanioka, A.: Study on Current–Voltage Curves of Composite Bipolar Membrane for Water and Methanol Solutions, 1597
Christiansen, A. W.
—; Resorcinol–Formaldehyde Reactions in Dilute Solution Observed by Carbon-13 NMR Spectroscopy, 1760
Cimmino, S.
—; Iodice, P.; Silvestre, C.; Karaz, F. E.: Atactic Poly(methyl methacrylate) Blended with Poly(3-D(—)hydroxybutyrate): Miscibility and Mechanical Properties, 746
Cizravi, J. C.
—; Tay, T. Y.; Pon, E. C.: Kinetics of Azo-Initiated 1-vinyl-2-pyrrolidone Polymerizations at Low Conversions in Aqueous Media, 239

Cole, K. C. See Gundjian, M., 1458
Coman, P. See Robilă, G., 1385
Coskun, R.
—; Yigitoglu, M.; Sacak, M.: Adsorption Behavior of Copper(II) Ion from Aqueous Solution on Methacrylic Acid Grafted Poly(ethylene Terephthalate) Fibers, 766
Costa, J. See Daoust, D., 96
Coutinho, F. M. B. See Da Silva, A. L. N., 692
Crini, G.
—; Bourdonneau, M.; Martel, B.; Piotto, M.; Morcellet, M.; Richert, T.; Vebrel, J.; Torri, G.; Morin, N.: Solid-State NMR Characterization of Cyclomaltoheptaose (β-cyclodextrin) Polymers Using High-Resolution Magic Angle Spinning with Gradients, 1288

Damshkaln, L. G. See Lozinsky, V. I., 1740
Daoust, D.
—; Bebelman, S.; Chaupart, N.; Legras, R.; Devaux, J.; Costa, J.: Characterization of Ethylene in EP and in iPP/EP Systems by Deconvolution of IR Spectra, 96
Da Silva, A. L. N.
—; Rocha, M. C. G.; Coutinho, F. M. B.; Bretas, R.; Scuracchio, C.: Rheological, Mechanical, Thermal, and Morphological Properties of Polypropylene/Ethylene-Octene Copolymer Blends, 692
Das, S. K.
—; Interpenetrating Polymer Networks Composed of Castor Oil-ased Polyurethane and 2-Hydroxy-4-Methacryloyloxy Acetophenone, 1487
De, D.
—; Maiti, S.; Adhikari, B.: Reclaiming of Rubber by a Renewable Resource Material (RRM). Part 3. Evaluation of Properties of NR Reclaim, 1493
De, S. K. See Ghosh, M., 1480
Debowski, M.
—; Balas, A.: Cast Polyurethane Elastomers Obtained with N,N′ethyleneurea and 1,4-Butanediol as Chain Extenders, 728
de la Orden, M. U. See Matías, M. C., 256
Del Valle, M. A. See Taoudi, H., 1561
Denizli, A. See Arica, M. Y., 1685
De Paoli, M.-A. See Parra, D. F., 670; Vallim, M. R., 677
Desai, S. M. See Singh, R. P., 1103
de Saja, J. A. See Rodríguez-Pérez, M. A., 156
Desvergne, B. See Nurdin, N., 1165
Devaux, J. See Daoust, D., 96
Diaconu, I. See Robilă, G., 1385
Diaz, F. See Taoudi, H., 1561
Dibbern-Brunelli, D.
—; Atvars, T. D. Z.: Thermal Transitions of Poly(vinyl alcohol) Hydrogel Sensed by a Fluorescent Probe, 815
Dietsche, F.
—; Thomann, Y.; Thomann, R.; Mülhaupt, R.: Translucent Acrylic Nanocomposites Containing Anisotropic Laminated Nanoparticles Derived from Intercalated Layered Silicates, 396
Di Landro, L. See Tripathy, S. S., 1585
D'Orazio, L.
—; Guarino, R.; Mancarella, C.; Martuscelli, E.; Cecchin, G.: Effects of the Addition of a Graft Copolymer of Propylene with Styrene on Thermal Behavior, Crystallization, and Morphology of Isotactic Polypropylene, 553
Doulia, D. See Gimouhopoulos, K., 1323
Drzal, L. T. See Cho, D., 1278
Dupond, S. See Sauvet, G., 1005

Easteal, A. See Travas-Sejdic, J., 619
Egunsola, E. O. See Eromosele, I. C., 175
Eichhorn, K.-J.
—; Hopfe, I.; Pötschke, P.; Schmidt, P.: Polarized FTIR Photoacoustic Spectroscopy on Blends of Thermoplastic Poly(ether-urethanes) with Modified Polypropylenes, 1194
El Achari, A. See Behary, N., 1013
Elachari, A. See Louati, M., 10
Elices, M. See Pérez-Rigueiro, J., 1270
Elyashevich, G. K. See Polotskaya, G. A., 1026
Endo, T. See Kaji, M., 528
Engbers, G. H. M. See Klomp, A. J. A., 480
Eromosele, I. C.
—; Egunsola, E. O.: Studies on the Physical Properties of Some Cellulosic Fibers (Note), 175

Faughey, G. J.
—; Sharma, S. S.; McCall, R. D.: Determining Fiber Fineness in Flax Using Derivative Thermogravimetric Analysis, Scanning Electron Microscopy, and Airflow Methods, 508
Feijen, J. See Klomp, A. J. A., 480
Felisberti, M. I. See Vallim, M. R., 677
Feng, S. See Xie, T., 379
Feng, X. See Liang, L., 1735
Feng, Y.
—; Zhao, J.; Wang, Q.; Li, M.; Chen, X.: Synthesis and Characterization of Comb-Like Polymer PVC–Poly(Ethylene Oxide), 475
Feng, Y.-F. See Wang, X.-P., 740
Févotte, G. See Santos, A. M., 1667
Fontanelli, D. See Tripathy, S. S., 1585
Forsythe, J. S.
—; Hill, D. J. T.; Logothetis, A. L.; Pomery, P. J.; Whittaker, A. K.: The Use of Crosslinking Promoters in the γ-Radiolysis of Poly(tetrafluoroethylene-co-perfluoromethylvinyl ether) Part 2, 1447
Fouda, A. E. See Kim, H. J., 135
Fraga, F. See Núñez, L., 291
Freire, T. De-A. See Parra, D. F., 670
Fujii, N. See Shibata, M., 1546
Fujita, M.
—; Takemura, A.; Ono, H.; Kajiyama, M.; Hayashi, S.;

Mizumachi, H.: Effects of Miscibility and Viscoelasticity on Shear Creep Resistance of Natural-Rubber-Based Pressure-Sensitive Adhesives, 1535

Gao, C.
—; Yang, B.; Shen, J.: Study on Syntheses and Properties of 2,2′-Mercaptoethylsulfide Dimethacrylate Transparent Homo- and Copolymer Resins Having High Refractive Index, 1474
Gao, Y. See Liu, J., 384
Gauthier, H. See Saliba, R., 1624
Gauthier, R. See Saliba, R., 1624
Gawdzik, B. See JabŁońska-Pikus, T., 142
Ge, H.
—; Hu, Y.; Yang, S.; Jiang, X.; Yang, C.: Preparation, Characterization, and Drug Release Behaviors of Drug-Loaded ε-Caprolactone/L-lactide Copolymer Nanoparticles, 874
Georgiou See Gimouhopoulos, K., 1323
Gerard, M. See Pandey, S. S., 149
Ghenaim, A. See Behary, N., 1013; Louati, M., 10
Ghosh, M.
—; Barman, A.; Meikap, A K.; De, S. K.; Chatterjee, S.: Electrical Resistivity and Magnetoresistivity of Protonic Acid (H_2SO_4 and HCl)-Doped Polyaniline at Low Temperature, 1480
Gimouhopoulos, K.
—; Doulia, D.; Vlyssides, A.; Georgiou: Coliquefaction Studies of Waste Polymers and Lignite Influenced by Acidic and Oil-Soluble Catalysts, 1323
Giudici, R.
—; Scuracchio, C.; Bretas, R. E. S.: An Alternative Neural Network Approach to Calculate the Molecular Weight Distribution from Dynamic Rheological Properties of i-PP Resins, 1416
Glauser, Th. See Johansson, M., 612
Goh, S. H. See Zheng, J., 1393
Gong, K. See Chen, Z., 796
Gong, Q. See Ye, C., 447
González Sánchez, C. See Matías, M. C., 256
Gooch, J. W. See Tsavalas, J. G., 916
Goyanes, S. N.
—; Dynamic Mechanical Behavior of Atactic and High-Impact Polystyrene, 865
Greci, L. See Mar'in, A. P., 883, 890; Mar'in, P., 897
Gregor-Svetec, D.
—; Mechanical Properties of Polypropylene Fibers Produced from the Binary Polymer Blends of Different Molecular Weights, 1211
Grellmann, W. See Han, Y., 1605
Grepinet, B.
—; Pla, F.; Hobbes, Ph.; Swaels, Ph.; Monge, Th.: Modeling and Simulation of Urethane Acrylates Synthesis. I. Kinetics of Uncatalyzed Reaction of Toluene Diisocyanate with a Monoalcohol, 705
Gu, G.-F. See Li, X.-G., 458
Gu, J.-T. See Shih, W.-C., 545
Gualtieri, A. F.
—; A Solution for the Full Impregnation of Asbestos: The Use of an Epoxy Polymer Resin, 713
Guarino, R. See D'Orazio, L., 553
Guibal, E.
—; Vincent, T.; Navarro Mendoza, R.: Synthesis and Characterization of a Thiourea Derivative of Chitosan for Platinum Recovery, 119
Gundjian, M.
—; Cole, K. C.: Effect of Copper on the Curing and Structure of a DICY-Containing Epoxy Composite System, 1458
Güner, A.
—; Effects of Inorganic Salts on the Spectral Behavior of Poly(*N*-vinyl-2-pyrrolidone) in Aqueous Solutions, 1434
Güngör, N.
—; Effect of the Adsorption of Surfactants on the Rheology of Na-Bentonite Slurries, 107
Guo, X.
—; Isayev, A. I.: Thermal Residual Stresses in Freely Quenched Slabs of Semicrystalline Polymers: Simulation and Experiment, 1404
Gupta, A. K. See Jafari, S. H., 1769
Gustafson, C.-G. See Borve, K. L., 347, 355, 361, 371

Halary, J. L. See Bauchiere, D., 638
Halász, L.
—; Vorster, O.; Pizzi, A.; Van Alphen, J.: A Rheological Study of the Gelling of UF Polycondensates, 1296
Halldén, Å.
—; Wesslén, B.: Surface Modification of LDPE with PE-PEO Graft Copolymer, 316
Hamerton, I. See Brown, J., 201
Han, M.-J.
—; Biodegradable Membranes for the Controlled Release of Progesterone. 1. Characterization of Membrane Morphologies Coagulated from PLGA/Progesterone/DMF Solutions, 60
Han, X. See Lei, Z., 1068
Han, Y.
—; Lach, R.; Grellmann, W.: Effects of Rubber Content and Temperature on Dynamic Fracture Toughness of ABS Materials, 1605
Hao, C. J. See Wang, R.-M., 1138
Haraguchi, T. See Yamada, K., 284
Hayashi, S. See Fujita, M., 1535
He, Y. F. See Wang, R.-M., 1138
Heath, R. J. See Zhang, Y., 406
Hidalgo, M. See Peña, J. R., 1303
Higashiura, S. See Shimizu, T., 1149
Hill, D. J. T. See Forsythe, J. S., 1447
Hnatowicz, V. See Švorčík, V., 1144
Hobbes, Ph. See Grepinet, B., 705
Homma, M.
—; Seida, Y.; Nakano, Y.: Evaluation of Optimum Condition for Designing High-Performance Electro-driven

Polymer Hydrogel Systems, 111
Hong, P.-D. See Chou, T.-J., 1597
Hopfe, I. See Eichhorn, K.-J., 1194
Hourston, D. J. See Zhang, Y., 406
Howlin, B. J. See Brown, J., 201
Hsu, W.-P.
—; Yeh, C.-F.: Miscibility Studies of Binary and Ternary Mixtures of Tactic Poly(Methyl Methacrylates) with Poly(Vinylidene Chloride-Co-Acrylonitrile), 1313
Hsu, Y. G.
—; Lin, F. J.: Organic–Inorganic Composite Materials from Acrylonitrile–Butadiene–Styrene Copolymers (ABS) and Silica through an *In Situ* Sol-Gel Process, 275
Hu, X. See Zhang, G., 977
Hu, Y. See Ge, H., 874; Lei, Z., 1068
Huang, C. See Chen, Z., 796
Huang, J.-T.
—; Zheng, S.-H.; Zhang, J.-Q.; Sun, J.-W.: A Convenient Synthesis of Macroporous Polymer-Supported Supernucleophilic Reagent and Linear Macromolecules, 593
Huang, K.-S.
—; Physical Properties of Cotton Fabrics and Free CH_2O Content in Crease Resistant Finish with DMEU/MMEy Prepolymer Mixture, 390
Huang, M.-R. See Li, X.-G., 458
Hui, L.
—; Jiang, L.: Synthesis of Poly(β-pinene)-*g*-Polystyrene from Allylic Brominated Poly(β-pinene), 599
Hult, A. See Johansson, M., 612
Hunkeler, D. See Nurdin, N., 1165
Hyun, J.
—; Pope, M.; Smith, J.: Ultrathin DLC and SiOx Layer Deposition on Poly(ethylene terephthalate) and Restriction of Surface Dynamics, 1158

Igwe, I. O.
—; Ogbobe, O.: Studies on the Properties of Polyesters and Polyester Blends of Selected Vegetable Oils, 1441
Iida, T. See Tsubokawa, N., 515
Ikada, Y. See Tsuji, H., 629; Zhu, B., 576
Iljima, H. See Zhang, L., 1083
Indusekhar, R. See Setua, D. K., 685
Iodice, P. See Cimmino, S., 746
Isayev, A. I. See Guo, X., 1404
Iskakov, R.
—; Batyrbekov, E. O.; Leonova, M. B.; Zhubanov, B. A.: Preparation and Release Profiles of Cyclophosphamide from Segmented Polyurethanes, 35
Iwata, H. See Zhu, B., 576

JabŁońska-Pikus, T.
—; Charmas, W.; Gawdzik, B.: Synthesis and Characterization of Methacrylate Polymeric Packings Based on Bisphenol-S, 142
Jafari, S. H.
—; Gupta, A. K.; Rana, S. K.: Effect of Nylon 6 Inclusions on the Crystalline Morphology of Polypropylene–Nylon 6 Blends, 1769
Jang, J. See Park, R., 952
Jeong, Y.-I. See Nah, J.-W., 1115
Jhon, M. S. See Choi, H. J., 572
Jiang, L. See Hui, L., 599
Jiang, X. See Ge, H., 874
Johansson, M.
—; Glauser, Th.; Rospo, G.; Hult, A.: Radiation Curing of Hyperbranched Polyester Resins, 612
Jonasson, K. See Kim, H. J., 135
Joshi, K. S. See Shenoy, M. A., 424
Joubert, J.-P. See Boutevin, G., 1655
Jun, J. I. See Choi, H. J., 417
Jung, S.-O. See Yoon, J.-S., 928
Jurkowska, B.
—; Olkhov, Y. A.; Jurkowski, B.; Olkhova, O. M.: Influence of Mixing Procedures and Curing Time on Molecular and Topological Structures of NR/BR Vulcanizate, 660
Jurkowski, B. See Jurkowska, B., 660

Kaji, M.
—; Nakahara, K.; Ogami, K.; Endo, T.: Synthesis of a Novel Epoxy Resin Containing Pyrene Moiety and Thermal Properties of Its Cured Polymer with Phenol Novolac, 528
Kajiyama, M. See Fujita, M., 1535
Kajiyama, T. See Yamada, K., 284
Kang, Y. S. See Won, J., 1554
Karaz, F. E. See Cimmino, S., 746
Katbab, A. A.
—; Nazockdast, H.; Bazgir, S.: Carbon Black Reinforced Dynamically Cured EPDM/PP Thermoplastic Elastomers; (I): Morphology, Rheology and Dynamic Mechanical Properties, 1127
Kazmierski, K. See Sauvet, G., 1005
Khafagy, R. M. See Zeid, H. M. A., 179
Khulbe, K. C.
—; Matsuura, T.: Aging Effect of Casting Solution on Performance of Membrane by Electron Spin Resonance Technique, 1788
Kim, H. J.
—; Fouda, A. E.; Jonasson, K.: In Situ Study on Kinetic Behavior during Asymmetric Membrane Formation via Phase Inversion Process Using Raman Spectroscopy, 135
Kim, I.
—; Zhou, J.-M.: Kinetics of Propylene Polymerization by Hafnocene Diamide Catalyst, 843
Kim, I. C.
—; Kim, J. H.; Lee, K. H.; Tak, T. M.: Preparation of Soluble Polyimides and Ultrafiltration Membrane Performances, 1
Kim, J. H. See Kim, I. C., 1
Kim, J. K. See Choi, H. J., 417
Kim, M. G.
—; Examination of Selected Synthesis Parameters for Typical Wood Adhesive-Type Urea–Formaldehyde Resins by ^{13}C-NMR Spectroscopy. II, 1243
Kim, M. H. See Won, J., 1554
Kim, S. W. See Lu, M. G., 1514

Kim, U. Y. See Won, J., 1554
Kim, Y. B. See Ban, B. S., 1734
Kim, Y.-K. See Rhim, J.-W., 1699
Kiran, E. See Bayraktar, Z., 1397; Yeo, S.-D., 306
Kira, T. See Okuzaki, H., 566
Kitano, T. See Sun, H., 1235
Klemm, D. See Tiller, J., 904
Klomp, A. J. A.
—; Terlingen, J. G. A.; Takens, G. A. J.; Strikker, A.; Engbers, G. H. M.; Feijen, J.: Treatment of PET Nonwoven with a Water Vapor or Carbon Dioxide Plasma, 480
Kobayashi, T. See Shibata, M., 1546
Koh, S. K. See Won, J., 1554
Kohno, T. See Suzuki, A., 1569
Kolekar, S. See Athawale, V., 825
Konagaya, S.
—; Kuzumoto, H.; Watanabe, O.: New Reverwe Osmosis Membrane Materials with Higher Resistance to Chlorine, 1357
Kongkaew, A.
—; Wootthikanokkhan, J.: Effects of Reaction Conditions on Poly(methyl methacrylate) Polymerized by Living Radical Polymerization with Iniferter, 938
Kostov, G. See Todorova, D., 1205
Kotlar, H. K. See Borve, K. L., 347, 355, 361, 371
Kozhurnikova, N. D. See Polotskaya, G. A., 1026
Kudryavtsev, V. V. See Polotskaya, G. A., 1026
Kumar, D. S.
—; Structure and Effect of Pyrolisis on Plasma Polymerized Polyfuran Thin Films, 1176
Kundu, P. P.
—; Improvement of Filler–Rubber Interaction by the Coupling Action of Vegetable Oil in Carbon Black Reinforced Rubber, 735
Kunugi, T. See Okuzaki, H., 566
Kuzumoto, H. See Konagaya, S., 1357

Lach, R. See Han, Y., 1605
Lee, D.-H. See Yoon, J.-S., 928
Lee, D.-K.
—; Tsai, H.-B.: Properties of Segmented Polyurethanes Derived from Different Diisocyanates, 167
Lee, I.-M. See Yoon, J.-S., 928
Lee, K. H. See Kim, I. C., 1
Lee, S. Y. See Zheng, J., 1393
Legras, R. See Daoust, D., 96
Lei, Z.
—; Han, X.; Hu, Y.: Synthesis and Catalytic Oxidation Properties of Polymer-Bound Cobalt Complexes, 1068
Leonova, M. B. See Iskakov, R., 35
Levita, G. See Tripathy, S. S., 1585
Li, F.
—; Qi, L.; Yang, J.; Xu, M.; Luo, X.; Ma, D.: Polyurethane/Conducting Carbon Black Composites: Structure, Electric Conductivity, Strain Recovery Behavior, and Their Relationships, 68
—; See Qian, X. M., 721
Li, H. See Yu, J., 523
Li, J.-B. See Shi, X.-Y., 247
Li, M. See Feng, Y., 475
Li, P.-X. See Li, S.-D., 1339
Li, S.-D.
—; Yu, H.-P.; Peng, Z.; Zhu, C.-S.; Li, P.-X.: Study on Thermal Degradation of Sol and Gel of Natural Rubber, 1339
Li, T. J. See Qian, X. M., 721
Li, X.-G.
—; Huang, M.-R.; Gu, G.-F.; Qiu, W.; Lu, J.-Y.: Actual Air Separation Through Poly(aniline-co-toluidine)/Ethylcellulose Blend Thin-Film Composite Membranes, 458
Li, Z. See Narh, K. A., 1783
Liang, L.
—; Feng, X.; Martin, P. F. C.; Peurrung, L. M.: Temperature-Sensitive Switch from Composite Poly(*N*-isopropylacrylamide) Sponge Gels, 1735
Lim, D. W.
—; Park, T. G.: Stereocomplex Formation Between Enantiomeric PLA–PEG–PLA Triblock Copolymers: Characterization and Use as Protein-Delivery Microparticulate Carriers, 1615
Lim, S. T. See Choi, H. J., 572
Lin, C. H. See Wang, C. S., 429
Lin, F. J. See Hsu, Y. G., 275
Lin, T. K. See Wu, S. J., 26
Liu, C. See Yao, Z., 232
Liu, J.
—; Gao, Y.; Wang, F.; Wu, M.: Preparation and Characteristics of Nonflammable Polyimide Materials, 384
Liu, S. See Chen, Z., 796
Llorca, J. See Pérez-Rigueiro, J., 1270
Logothetis, A. L. See Forsythe, J. S., 1447
Lopez-Guillen, R. See Medellin-Rodriguez, F. J., 78
Louati, M.
—; Elachari, A.; Ghenaim, A.; Caze, C.: Surface Energy Analysis of Polyester Fibers Modified by Graft Fluorination, 10
Lozinsky, V. I.
—; Damshkaln, L. G.; Brown, R.; Norton, I. T.: Study of Cryostructuration of Polymer Systems. XVI. Freeze–Thaw-Induced Effects in the Low Concentration Systems Amylopectin–Water, 1740
Lu, J.-Y. See Li, X.-G., 458
Lu, M. G.
—; Shim, M. J.; Kim, S. W.: Thermal Degradation of LC Epoxy Thermosets, 1514
Lu, Y. See Yang, C. Q., 327
Luo, H. L. See Wan, Y. Z., 987
Luo, X. See Li, F., 68
Lynch, D. T. See Zhang, M., 960

Ma, C.-C. M. See Shih, W.-C., 545
Ma, D. See Li, F., 68
Mah, S. I. See Sun, H., 1235
Maiti, S. See De, D., 1493
Majali, A. B. See Majumder, P. S., 784
Majumder, P. S.
—; Bhowmick, A. K.; Majali, A. B.; Tikku, V. K.: Barrier Properties of Electron-Beam-Modified EPDM Rubber, 784
Maksoud, T. M. A. See Zeid, H. M. A., 179

Malhotra, B. D. See Pandey, S. S., 149
Malucelli, G. See Bongiovanni, R., 651
Man, J. See Uludag, H., 583
Mancarella, C. See D'Orazio, L., 553
Mano, E. B. See Martins, A. F., 999
Mansur, C. R. E.
—; Tavares, M. I. B.; Monteiro, E. E. C.: Thermal Analysis and NMR Studies of Methyl Methacrylate (MMA)–Methacrylic Acid Copolymers Synthesized by an Unusual Polymerization of MMA, 495
Marchetti, A. See Tripathy, S. S., 1585
Mar'in, A. P.
—; Borzatta, V.; Bonora, M.; Greci, L.: Diffusion of High Molecular Weight, Sterically Hindered Amines in Polypropylene, 890
—; Borzatta, V.; Bonora, M.; Greci, L.: Solubility of High Molecular Weight, Sterically Hindered Amines in Polypropylene, 883
Mar'in, P.
—; Borzatta, V.; Bonora, M.; Greci, L.: Loss of High Molecular Weight, Sterically Hindered Amines from Polypropylene, 897
Martel, B. See Crini, G., 1288
Martínez Urreaga, J. See Matías, M. C., 256
Martin, P. F. C. See Liang, L., 1735
Martins, A. F.
—; Pereira, R. A.; Mano, E. B.: Recycled Car Bumpers' Impact Resistance Investigated By Wide-Angle X-ray Diffraction, 999
Martuscelli, E. See D'Orazio, L., 553
Massardier, V. See Cheikhalard, T., 437
Mathur, G. N. See Setua, D. K., 685
Mathur, M. R. See Shukla, S. R., 1089, 1097
Matías, M. C.
—; de la Orden, M. U.; González Sánchez, C.; Martínez Urreaga, J.: Comparative Spectroscopic Study of the Modification of Cellulosic Materials with Different Coupling Agents, 256
Matsuura, T. See Khulbe, K. C., 1788
Mauri, A. N.
—; Riccardi, C. C.; Williams, R. J. J.: Epoxy/Anhydride Networks Modified by Epoxy/Anydride Oligomers Containing SiOH Groups, 1365
McCall, R. D. See Faughey, G. J., 508
McKenna, T. F. See Santos, A. M., 1667
Medellin-Rodriguez, F. J.
—; Lopez-Guillen, R.; Waldo-Mendoza, M. A.: Solid-State Polymerization and Bulk Crystallization Behavior of Poly(ethylene terephthalate) (PET), 78
Meikap, A K. See Ghosh, M., 1480
Meng, D. See Zhang, L., 1083
Messori, M. See Bongiovanni, R., 651
Mijangos, C. See Peña, J. R., 1303
Mishima, S.
—; Nakagawa, T.: Sorption and Diffusion of Volatile Organic Compounds in Fluoroalkyl Methacrylate-Grafted PDMS Membrane, 773
Mizumachi, H. See Fujita, M., 1535
Molinie, P. See Taoudi, H., 1561
Monge, Th. See Grepinet, B., 705
Monnerie, L. See Bauchiere, D., 638
Monteiro, E. E. C. See Mansur, C. R. E., 495
Morcellet, M. See Crini, G., 1288
Morin, N. See Crini, G., 1288
Morsli, M. See Taoudi, H., 1561
Mukhopadhyay, S. K. See Nkiwane, L., 1045
Mulder, M. H. V. See Beerlage, M. A. M., 1180
Mülhaupt, R. See Dietsche, F., 396

Nah, J.-W.
—; Jeong, Y.-I.; Cho, C.-S.: Drug Delivery System Based on Core-Shell Type Nanoparticles Composed of Poly(Y-benzyl L-glutamate) and Poly(ethylene oxide), 1115
Nakagawa, T. See Mishima, S., 773
Nakahara, K. See Kaji, M., 528
Nakano, Y. See Homma, M., 111
Narh, K. A.
—; Zhang, Q.; Li, Z.: The Effect of Mixing Shear Rate on the Properties of Liquid Crystalline Polymer/Polyethylene terephthalate Blends, 1783
—; See Sridhar, L., 1776
Navarro Mendoza, R. See Guibal, E., 119
Nazockdast, H. See Katbab, A. A., 1127
Nguyen, S. H. See Berek, D., 857
Nkiwane, L.
—; Mukhopadhyay, S. K.: A Study of Flex Fatigue Characteristics of Nylon 6.6 Tire Yarns and Cords, 1045
Nolten, J. A. M. See Beerlage, M. A. M., 1180
Norton, I. T. See Lozinsky, V. I., 1740
Núñez, L.
—; Fraga, F.; Castro, A.; Núñez, M. R.; Villanueva, M.: Kinetic and Thermodynamic Studies of an Epoxy System Diglycidyl Ether of Bisphenol A/1,2 Diamine Cyclohexane/Calcium Carbonate Filler, 291
Núñez, M. R. See Núñez, L., 291
Nurdin, N.
—; Canaple, L.; Bartkowiak, A.; Desvergne, B.; Hunkeler, D.: Capsule Permeability via Polymer and Protein Ingress/Egress, 1165

Ogami, K. See Kaji, M., 528
Ogbobe, O. See Igwe, I. O., 1441
Oh, I.-S.
—; Park, N.-H.; Suh, K.-D.: Mechanical and Surface Hardness Properties of Ultraviolet-Cured Polyurethane Acrylate Anionomer/Silica Composite Film, 968
Ohguchi, M. See Shimizu, T., 1149

Okuzaki, H.
—; Kira, T.; Kunugi, T.: Viscoelastic Properties and Structure of the Zone-Drawn Polyaniline Films, 566
Olkhova, O. M. See Jurkowska, B., 660
Olkhov, Y. A. See Jurkowska, B., 660
Ono, H. See Fujita, M., 1535
Osorio-Galindo, M. See Bueso, L., 1424
Othman, N. See Santos, A. M., 1667
Othman, S. See Santos, A. M., 1667

Pagetti, J. See Perrin, F. X., 1054
Pan, C.-Y. See Wang, P. H., 1693
Pandey, G. D. See Setua, D. K., 685
Pandey, P. C.
—; Prakash, R.; Singh, G.; Tiwari, I.; Tripathi, V. S.: Studies on Polycarbazole-Modified Electrode and Its Applications in the Development of Solid-State Potassium and Copper(II) Ion Sensors, 1749
Pandey, S. S.
—; Gerard, M.; Sharma, A. L.; Malhotra, B. D.: Thermal Analysis of Chemically Synthesized Polyemeraldine Base, 149
Park, D.-K. See Yoon, J.-S., 928
Park, E.-S. See Yoon, J.-S., 928
Park, H. C. See Won, J., 1554
Park, N.-H. See Oh, I.-S., 968
Park, O. O. See Yoon, K. H., 604
Park, R.
—; Jang, J.: Effect of Laminate Geometry on Impact Performance of Aramid Fiber/Polyethylene Fiber Hybrid Composites, 952
Park, S. H. See Choi, H. J., 417
Park, T. G. See Lim, D. W., 1615
Parra, D. F.
—; Freire, T. De-A.; De Paoli, M.-A.: Diffusion of Amine Stabilizers in Vulcanized Natural Rubber Compositions Used in Tires, 670
Pascault, J. P. See Cheikhalard, T., 437
Patel, K. J.
—; Amin, K. G.; Patel, R. G.: Glass Fiber-Reinforced Composites of Diglycidyl Ether of 2,7-Dihydroxy Naphthalene, 1345
Patel, R. G. See Patel, K. J., 1345
Patir, S. See Arica, M. Y., 1685
Pavlinec, J. See Berek, D., 857
Peeters, J. M. M. See Beerlage, M. A. M., 1180
Pekcan, Ö.
—; Arda, E.: Real Time Monitoring of Latex Film Dissolution by UVV Technique, 1075
Peña, J. R.
—; Hidalgo, M.; Mijangos, C.: Plastification of Poly(vinyl chloride) by Polymer Blending, 1303
Peng, H. S. See Chen, S. C., 1640
Peng, Z. See Li, S.-D., 1339
Pereira, R. A. See Martins, A. F., 999
Pérez-Rigueiro, J.
—; Viney, C.; Llorca, J.; Elices, M.: Mechanical Properties of Single-Brin Silkworm Silk, 1270
Perrin, F. X.
—; Pagetti, J.: Synthesis, Characterization, and Electropolymerization of Mannich Bases: Influence of Substituents on Protective Ability of Organic Coatings, 1054
Petit-Ramel, M. See Saliba, R., 1624
Petzold, G.
—; Buchhammer, H.-M.: Properties of Polyelectrolyte-Modified Clays: Influence of the Particle Concentration on the Degree of Modification, 16
Peurrung, L. M. See Liang, L., 1735
Pilati, F. See Bongiovanni, R., 651
Piotto, M. See Crini, G., 1288
Pizzi, A. See Halász, L., 1296
Pla, F. See Grepinet, B., 705
Polotskaya, G. A.
—; Sklizkova, V. P.; Kozhurnikova, N. D.; Elyashevich, G. K.; Kudryavtsev, V. V.: Formation and Analysis of a Polyimide Layer in Composite Membranes, 1026
Pomery, P. J. See Forsythe, J. S., 1447
Pon, E. C. See Cizravi, J. C., 239
Poormahdian, S.
—; Bataille, P.: Emulsion Copolymerization in a Tubular Reactor, 833
Pope, M. See Hyun, J., 1158
Popov, A. See Todorova, D., 1205
Porto, J. S. See Stevani, C. V., 1632
Pötschke, P. See Eichhorn, K.-J., 1194
Prakash, R. See Pandey, P. C., 1749
Priola, A. See Bongiovanni, R., 651
Prošková, K. See Švorčík, V., 1144

Qi, L. See Li, F., 68
Qian, X. M.
—; Qin, D. Q.; Wang, J. Y.; Tang, J.; Li, F.; Bai, Y. B.; Li, T. J.; Tang, X. Y.: Study of the Dielectric Constant of Polyurethane/Polybutyl-Methacrylate Interpenetrating Polymer Networks Using Metal–Insulator–Semiconductor Structure, 721
Qin, D. Q. See Qian, X. M., 721
Qin, S.-H.
—; Qiu, K.-Y.: Synthesis of a Macromonomer from Radical Polymerization of Styrene with a Polymerizable Photoiniferter, 1350
Qiu, K.-Y. See Qin, S.-H., 1350
Qiu, W. See Li, X.-G., 458

Ramasami, T. See Usha, R., 1577
Rana, S. K. See Jafari, S. H., 1769
Rao, A. K. See Sainath, A. V. S., 465
Reddy, A. V. R.
—; Synthesis and Characterization of Poly(amide-Imide)s and Their Precursors as Materials for Membranes, 1721
—; See Sainath, A. V. S., 465
Ren, L. See Yao, Z., 232; Zhang, L., 1083
Rhee, K. B. See Sun, H., 1235
Rhim, J.-W.
—; Kim, Y.-K.: Pervaporation Separation of MTBE-Methanol

Mixtures Using Cross-linked PVA Membranes, 1699
Ribes-Greus, A. See Bueso, L., 1424
Riccardi, C. C. See Mauri, A. N., 1365
Richert, T. See Crini, G., 1288
Robilă, G.
—; Diaconu, I.; Buruiană, T.; Buruiană, E.; Coman, P.: Carboxylated Polyurethane Anionomers and Their Composites with Polypyrrole, 1385
Rocha, M. C. G. See Da Silva, A. L. N., 692
Rodríguez-Pérez, M. A.
—; Velasco, J. I.; Arecón, D.; Almanza, O.; de Saja, J. A.: Mechanical Characterization of Closed-Cell Polyolefin Foams, 156
Root, A.
—; Soriano, P.: The Curing of UF Resins Studied by Low-Resolution ^{1}H-NMR, 754
Rospo, G. See Johansson, M., 612
Rybka, V. See Švorčík, V., 1144

Sacak, M. See Coskun, R., 766
Sainath, A. V. S.
—; Rao, A. K.; Reddy, A. V. R.: Synthesis, Characterization and Liquid Crystalline Properties of Polyacrylates and Polymethacrylates Containing Aryl Ester Pendant Unit, 465
Saliba, R.
—; Gauthier, H.; Gauthier, R.; Petit-Ramel, M.: Adsorption of Copper(II) and Chromium(III) Ions onto Amidoximated Cellulose, 1624
Santos, A. M.
—; Févotte, G.; Othman, N.; Othman, S.; McKenna, T. F.: On-line Monitoring of Methyl Methacrylate–Vinyl Acetate Emulsion Copolymerization, 1667
Sato, M. See Sato, T., 218
Sato, T.
—; Sato, M.; Seno, M.: A Kinetic Study on Polymerization of Methyl Methacrylate with Di-*t*-Butyl Perfumarate, 218
Sauvet, G.
—; Dupond, S.; Kazmierski, K.; Chojnowski, J.: Biocidal Polymers Active by Contact. V. Synthesis of Polysiloxanes with Biocidal Activity, 1005
Schirrer, R. See Bauchiere, D., 638
Schmidt, P. See Eichhorn, K.-J., 1194
Schork, F. J. See Tsavalas, J. G., 916
Scuracchio, C. See Da Silva, A. L. N., 692
Scuracchio, C. See Giudici, R., 1416
Seida, Y. See Homma, M., 111
Şenel, S. See Arica, M. Y., 1685
Seno, M. See Sato, T., 218
Setua, D. K.
—; Pandey, G. D.; Indusekhar, R.; Mathur, G. N.: Biodeterioration of Coated Nylon Fabric, 685
Sharma, A. L. See Pandey, S. S., 149
Sharma, S. S. See Faughey, G. J., 508
Shen, J. See Chen, J., 1331; Gao, C., 1474
Shen, Z.-Q. See Wang, X.-P., 740
Shenoy, M. A.
—; Joshi, K. S.: Amic Acids of Alphamethyl Styrene and Maleic-Anhydride Copolymer as a Dispersing Agent, 424
Shibata, M.
—; Kobayashi, T.; Fujii, N.: Porous Nylon-6 Membranes with Dimethylamino Groups for Low Pressure Desalination, 1546
Shih, W.-C.
—; Ma, C.-C. M.; Yang, J.-C.; Gu, J.-T.; Tsai, L.-D.: Synthesis and Characterization of Polycarbonate/Polydimethylsiloxane Multiblock Copolymer Prepared from Dimethylsiloxane and Various Aromatic Dihydroxyl Monomers, 545
Shimizu, T.
—; Higashiura, S.; Ohguchi, M.: Preparation of an Acrylics-Grafted Polyester and Its Aqueous Dispersion—Mechanical Properties of Acrylics-Grafted Polyesters, 1149
Shi, X.-Y.
—; Li, J.-B.; Sun, C.-M.; Wu, S.-K.: Water-Solution Properties of a Hydrophobically Modified Poly(*N*-isopropylacrylamide), 247
Shim, M. J. See Lu, M. G., 1514
Shukla, S. R.
—; Mathur, M. R.: Action of Alkali on PBT and PET Polyesters, 1097
—; Mathur, M. R.: Action of Alkali on Polybutylene Terephthalate and Polyethylene Terephthalate Polyesters, 1089
Shyu, S. S. See Wu, S. J., 26
Silvestre, C. See Cimmino, S., 746
Sim, I. S. See Choi, H. J., 572
Singh, G. See Pandey, P. C., 1749
Singh, R. P.
—; Desai, S. M.; Solanky, S. S.; Thanki, P. N.: Photodegradation and Stabilization of Styrene–Butadiene–Styrene Rubber, 1103
Skarja, G. A.
—; Woodhouse, K. A.: Structure-Property Relationships of Degradable Polyurethane Elastomers Containing an Amino Acid-Based Chain Extender, 1522
Sklizkova, V. P. See Polotskaya, G. A., 1026
Smith, J. See Hyun, J., 1158
Smith, R. See Tsuji, H., 629
Solanky, S. S. See Singh, R. P., 1103
Soriano, P. See Root, A., 754
Spruiell, J. E. See Supaphol, P., 44, 337
Sreedhar, M. K.
—; Anirudhan, T. S.: Preparation of an Adsorbent by Graft Polymerization of Acrylamide onto Coconut Husk for Mercury(II) Removal from Aqueous Solution and Chloralkali Industry Wastewater, 1261
Sridhar, L.
—; Narh, K. A.: Finite Size Gap Effects on the Modeling of Thermal Contact Conductance at Polymer-Mold Wall

Interface in Injection Molding, 1776
Stevani, C. V.
—; Porto, J. S.; Trindade, D. J.; Bechara, E. J. H.: Automotive Clearcoat Damage Due to Oviposition of Dragonflies, 1632
Strathmann, H. See Beerlage, M. A. M., 1180
Strikker, A. See Klomp, A. J. A., 480
Suh, K.-D. See Oh, I.-S., 968
Sun, C.-M. See Shi, X.-Y., 247
Sun, G. See Yao, Z., 232
Sun, H.
—; Rhee, K. B.; Kitano, T.; Mah, S. I.: HDPE Hollow-Fiber Membrane via Thermally Induced Phase Separation. II. Factors Affecting the Water Permeability of the Membrane, 1235
Sun, J.-W. See Huang, J.-T., 593
Supaphol, P.
—; Spruiell, J. E.: Crystalline Memory Effects in Isothermal Crystallization of Syndiotactic Polypropylene, 337
—; Spruiell, J. E.: Thermal Properties and Isothermal Crystallization of Syndiotactic Polypropylenes: Differential Scanning Calorimetry and Overall Crystallization Kinetics, 44
Suwanprateeb, J.
—; Binary and Ternary Particulated Composites: UHMWPE/$CaCO_3$/HDPE, 1503
Suzuki, A.
—; Kohno, T.: Improvement in Mechanical Properties of Poly(*p*-phenylene sulfide) Fibers by High-Tension Multiannealing Method, 1569
Švorčík, V.
—; Prošková, K.; Hnatowicz, V.; Rybka, V.: Alanine Grafting of Ion-Beam-Modified Polyethylene, 1144
Swaels, Ph. See Grepinet, B., 705

Tak, T. M. See Kim, I. C., 1
Takayama, T. See Tsubokawa, N., 515
Takemura, A. See Fujita, M., 1535
Takens, G. A. J. See Klomp, A. J. A., 480
Tan, V. See Yilmazer, U., 1371
Tang, J. See Qian, X. M., 721
Tang, X. Y. See Qian, X. M., 721
Tang, Y. See Yang, Z., 1255
Tanioka, A. See Chou, T.-J., 1597
Taoudi, H.
—; Bernede, J. C.; Del Valle, M. A.; Bonnet, A.; Molinie, P.; Morsli, M.; Diaz, F.; Tregouet, Y.; Bareau, A.: Polycarbazole Obtained by Electrochemical Polymerization of Monomers Either in Solution or in Thin Film Form, 1561
Tavares, M. I. B. See Mansur, C. R. E., 495
Tay, T. Y. See Cizravi, J. C., 239
Terlingen, J. G. A. See Klomp, A. J. A., 480
Thanki, P. N. See Singh, R. P., 1103
Thomann, R. See Dietsche, F., 396
Thomann, Y. See Dietsche, F., 396
Tikku, V. K. See Majumder, P. S., 784
Tiller, J.
—; Berlin, P.; Klemm, D.: Novel Matrices for Biosensor Applications by Structural Design of Redox-Chromogenic Aminocellulose Esters, 904
Tiwari, I. See Pandey, P. C., 1749
Todorov, St. See Todorova, D., 1205
Todorova, D.
—; Kostov, G.; Popov, A.; Todorov, St.: Synthesis and Study of Polysulfide Polymers Based on Sulfur and Epithioglycidyl Ester of Acetic Acid (note), 1205
Tonelli, C. See Bongiovanni, R., 651
Tong, J. See Yao, Z., 232
Torri, G. See Crini, G., 1288
Toselli, M. See Bongiovanni, R., 651
Travas-Sejdic, J.
—; Easteal, A.: Study of Free-Radical Copolymerization of Acrylamide with 2-Acrylamido-2-methyl-1-propane Sulphonic Acid, 619
Tregouet, Y. See Taoudi, H., 1561
Trindade, D. J. See Stevani, C. V., 1632
Tripathi, V. S. See Pandey, P. C., 1749
Tripathy, S. S.
—; Di Landro, L.; Fontanelli, D.; Marchetti, A.; Levita, G.: Mechanical Properties of Jute Fibers and Interface Strength with an Epoxy Resin, 1585
Tsai, H.-B. See Lee, D.-K., 167
Tsai, L.-D. See Shih, W.-C., 545
Tsaih, M. L. See Chen, R. H., 452
Tsavalas, J. G.
—; Gooch, J. W.; Schork, F. J.: Water-Based Crosslinkable Coatings via Miniemulsion Polymerization of Acrylic Monomers in the Presence of Unsaturated Polyester Resin, 916
Tsubokawa, N.
—; Iida, T.; Takayama, T.: Modification of Cellulose Powder Surface by Grafting of Polymers with Controlled Molecular Weight and Narrow Molecular Weight Distribution, 515
Tsuji, H.
—; Smith, R.; Bonfield, W.; Ikada, Y.: Porous Biodegradable Polyesters: 1. Preparation of Porous Poly(L-lactide) Films by Extraction of Poly(ethylene oxide) from Their Blends, 629

Uludag, H.
—; Wong, M.; Man, J.: Reactivity of Temperature-Sensitive, Protein-Conjugating Polymers Prepared by a Photopolymerization Process, 583
Usha, R.
—; Ramasami, T.: Effect of pH on Dimensional Stability of Rat Tail Tendon Collagen Fiber, 1577

Vallim, M. R.
—; Felisberti, M. I.; De Paoli, M.-A.: Blends of Polyaniline with Nitrilic Rubber, 677
Van Alphen, J. See Halász, L., 1296
Vebrel, J. See Crini, G., 1288

Velasco, J. I. See Rodríguez-Pérez, M. A., 156
Villanueva, M. See Núñez, L., 291
Vincent, T. See Guibal, E., 119
Viney, C. See Pérez-Rigueiro, J., 1270
Vlyssides, A. See Gimouhopoulos, K., 1323
Vorster, O. See Halász, L., 1296

Waldo-Mendoza, M. A. See Medellin-Rodriguez, F. J., 78
Wan, X.
—; Ying, S.: Controlled Radical Polymerization Catalyzed by CuCl/BDE Complex in Water Medium. I. Polymerization of Styrene and Synthesis of Poly(St-b-MMA), 802
Wan, Y. Z.
—; Wang, Y. L.; Luo, H. L.; Cheng, G. X.; Yao, K. D.: Carbon Fiber-Reinforced Gelatin Composites. I. Preparation and Mechanical Properties, 987
—; Wang, Y. L.; Yao, K. D.; Cheng, G. X.: Carbon Fiber-Reinforced Gelatin Composites. II. Swelling Behavior, 994
Wang, C.
—; Chang, C.-I.: Fracture Energies and Tensile Strength of an EPDM/PP Thermoplastic Elastomer, 1033
Wang, C. S.
—; Lin, C. H.: Synthesis and Properties of Phosphorus Containing Advanced Epoxy Resins, 429
Wang, F. See Liu, J., 384; Ye, C., 447
Wang, J. Y. See Qian, X. M., 721
Wang, M.
—; Zhu, X.; Zhang, L.: Hole Structure and Its Formation in Thin Films of Hydrolyzed Poly(styrene maleic anhydride) Alternating Copolymers, 267
Wang, P. H.
—; Pan, C.-Y.: Polymer–Metal Composite Particles: Metal Particles on Poly(St-*co*-MAA) Microspheres, 1693
Wang, Q. See Feng, Y., 475
Wang, R.-M.
—; Hao, C. J.; He, Y. F.: Polymer Bound Schiff Base Complex Catalyst for Effective Oxidation of Olefins with Molecular Oxygen, 1138
Wang, S. See Xu, H.-S., 945
Wang, X. See Xie, T., 379; Yan, J., 536; Yang, C. Q., 327
Wang, X.-P.
—; Feng, Y.-F.; Shen, Z.-Q.: Pervaporation Properties of a Three-Layer Structure Composite Membrane, 740
Wang, Y. See Yang, Z., 1255
Wang, Y. L. See Wan, Y. Z., 987, 994
Wanke, S. E. See Zhang, M., 960
Watanabe, O. See Konagaya, S., 1357
Wesslén, B. See Halldén, Å., 316
Whittaker, A. K. See Forsythe, J. S., 1447
Williams, R. J. J. See Mauri, A. N., 1365
Won, J.
—; Kim, M. H.; Kang, Y. S.; Park, H. C.; Kim, U. Y.; Choi, S C.; Koh, S. K.: Surface Modification of Polyimide and Polysulfone Membranes by Ion Beam for Gas Separation, 1554
Wong, M. See Uludag, H., 583
Woodhouse, K. A. See Skarja, G. A., 1522
Wootthikanokkhan, J. See Kongkaew, A., 938
Wu, M. See Liu, J., 384
Wu, S. J.
—; Lin, T. K.; Shyu, S. S.: Cure Behavior, Morphology, and Mechanical Properties of the Melt Blends of Epoxy with Polyphenylene Oxide, 26
Wu, S.-K. See Shi, X.-Y., 247

Xanthos, M. See Yilmazer, U., 1371
Xie, F. See Zhang, G., 977
Xie, T.
—; Zhou, C.; Feng, S.; Wang, X.: Study of Poly(methyl Methacrylate–Maleic Anhydride)/Silica Hybrid Materials, 379
Xu, H.-S.
—; Cheng, Z.-Y.; Bharti, V.; Wang, S.; Zhang, Q. M.: All-Polymer Electromechanical Systems Consisting of Electrostrictive Poly(vinylidene fluoride-trifluoroethylene) and Conductive Polyaniline, 945
Xu, M. See Li, F., 68
Xu, X. See Zhang, L., 1083

Yamada, K.
—; Haraguchi, T.; Kajiyama, T.: Plasma-Graft Polymerization of Vinyl Monomer with an Acid Amide Group Onto a Surface of Carbon Fiber and Its Adhesion to Epoxy Resin, 284
Yan, J.
—; Wang, X.; Chen, J.: Swelling of Porous Styrene–Divinylbenzene Copolymers in Water, 536
Yang, B. See Gao, C., 1474
Yang, C. See Ge, H., 874
Yang, C.-P.
—; Yang, H.-W.: Preparation and Characterization of Organosoluble Copolyimides Based on a Pair of Commercial Aromatic Dianhydride and One Aromatic Diamine 1,4-Bis(4-aminophenoxy)-2-*tert*-butylbenzene, Series, 87
Yang, C. Q.
—; Wang, X.; Lu, Y.: Infrared Spectroscopy Studies of Cyclic Anhydrides as Intermediates for Ester Crosslinking of Cotton Cellulose by Polycarboxylic Acids. IV. *In Situ* Free Radical Copolymerization of Maleic Acid and Itaconic Acid on Cotton, 327
Yang, H.-W. See Yang, C.-P., 87
Yang, J. See Li, F., 68
Yang, J.-C. See Shih, W.-C., 545
Yang, S. See Ge, H., 874
Yang, Z.
—; Wang, Y.; Tang, Y.: Synthesis and Adsorption Properties for Metal Ions of Mesocyclic Diamine Grafted Chitosan-Crown Ether, 1255
Yao, K. D. See Wan, Y. Z., 987, 994
Yao, Z.
—; Yin, Z.; Sun, G.; Liu, C.; Tong, J.; Ren, L.; Yin, J.: Morphology, Thermal Behavior, and Mechanical Properties of PA6/UHMWPE

Blends with HDPE-*g*-MAH as a Compatibilizing Agent, 232
Ye, C.
—; Wang, F.; Gong, Q.: Photorefractivity and Transmission-type Holograms of PVK-based Composite with NPP as Chromophore, 447
Yeh, C.-F. See Hsu, W.-P., 1313
Yeo, S.-D.
—; Kiran, E.: High-Pressure Viscosity of Polystyrene Solutions in Toluene + Carbon Dioxide Binary Mixtures, 306
Yigitoglu, M. See Coskun, R., 766
Yilmazer, U.
—; Xanthos, M.; Bayram, G.; Tan, V.: Viscoelastic Characteristics of Chain Extended/Branched and Linear Polyethylene Terephthalate Resins, 1371
Yin, J. See Yao, Z., 232
Yin, Z. See Yao, Z., 232
Ying, S. See Wan, X., 802
Yoon, J.-S.
—; Lee, D.-H.; Park, E.-S.; Lee, I.-M.; Park, D.-K.; Jung, S.-O.: Copolymerization of Ethylene/α-Olefins over (2-MeInd)$_2$ZrCl$_2$/MAO and (2-BzInd)$_2$ZrCl$_2$/MAO Systems, 928
Yoon, K. H.
—; Yoon, S. T.; Park, O. O.: Damping Properties and Transmission Loss of Polyurethane. I. Effect of Soft and Hard Segment Compositions, 604
Yoon, S. T. See Yoon, K. H., 604
Yu, H.-P. See Li, S.-D., 1339
Yu, J.
—; Li, H.; Zhang, M.; Zhang, M.: Study on Degradation Mechanism of Polyethylene Films Containing Additives with Metal Ions at a Simulated Composting Temperature, 523

Zeid, H. M. A.
—; Ali, Z. I.; Maksoud, T. M. A.; Khafagy, R. M.: Structure–Property Behavior of Polyethylene Exposed to Different Types of Radiation, 179
Zhang, G.
—; Zhang, Z.; Xie, F.; Hu, X.; Chen, X.: Chlorohydrin Water Swellable Rubber Compatibilized by an Amphiphilic Graft Copolymer. I. Synthesis and Characterization of Compatibilizer PVA-g-PBA, 977
Zhang, J.-Q. See Huang, J.-T., 593
Zhang, L.
—; Xu, X.; Zhang, M.; Chen, J.; Meng, D.; Ren, L.; Iljima, H.: Molecular Size and Aggregation Behavior of Erwinia Gum in Aqueous Solution, 1083
—; See Wang, M., 267
Zhang, M.
—; Lynch, D. T.; Wanke, S. E.: Characterization of Commercial Linear Low-Density Polyethylene by TREF-DSC and TREF-SEC Cross-Fractionation, 960
—; See Yu, J., 523; Zhang, L., 1083
Zhang, Q. See Narh, K. A., 1783
Zhang, Q. M. See Xu, H.-S., 945
Zhang, Y.
—; Heath, R. J.; Hourston, D. J.: Morphology, Mechanical Properties, and Thermal Stability of Polyurethane–Epoxide Resin Interpenetrating Polymer Network Rigid Foams, 406
—; See Chen, Z., 796
Zhang, Z. See Zhang, G., 977
Zhao, J. See Feng, Y., 475
Zhao, Y. See Chen, J., 808
Zheng, J.
—; Goh, S. H.; Lee, S. Y.: Miscibility of C_{60}-Containing Poly(methyl methacrylate)/Poly(vinylidene fluoride) Blends, 1393
Zheng, S.-H. See Huang, J.-T., 593
Zhou, C. See Xie, T., 379
Zhou, J.-M. See Kim, I., 843
Zhu, B.
—; Iwata, H.; Ikada, Y.: Immobilization of Poly(ethylene imine) onto Polymer Films Pretreated with Plasma, 576
Zhu, C.-S. See Li, S.-D., 1339
Zhu, X. See Wang, M., 267
Zhubanov, B. A. See Iskakov, R., 35

Journal of Applied Polymer Science

Subject Index—Volume 75

Abrasion resistance, 1365
ABS, 417
ABS materials, 1605
Acid rain, 1632
Acrylamide, 284
Acrylate, 396, 612
Acrylic, 916
Acrylic polyester resins, 651
Acrylonitrile–butadiene–styrene copolymer (ABS), 275
Activation energy, 1176, 1296, 1577
Adhesion, 284
Adsorption, 16, 766, 1261
Adsorption mechanism, 660
Adsorption properties, 1255
Advancement, 429
Aggregation, 247, 1083
Air separation, 458
Airflow, 508
Aliphatic diisocyanate, 167
Alkali, 1089, 1097
Alkylbenzenes, 1068
All-polymer systems, 945
Alphamethyl styrene, 424
Amic acids, 424
Amidoxime, 1624
Amine, 424
Amine stabilizers, 670
Amino acid, 1522
Amino group, 515
Aminocellulose esters, 904
Aminolysis, 583
Amphiphilic graft copolymers, 475
Amylopectin, 1740
Annealing, 1176
ansa-Hafnocene diamide, 843
Anthracene derivative, 528
Antibacterial activity, 1005
Antiplasticizer, 638
Aqueous solution, 766, 808
Arbitrary solubilities, 87
Aromatic dihydroxyl monomers, 545
Aromatic diisocyanate, 167
Aryloxycarbonylphenyl acrylates and methacrylates, 465
Asbestos, 713
Asymmetric membrane, 1
Asymmetric membranes, 135
Atactic poly(methylmethacrylate), 746
Atomic force microscopy, 267, 1734
Atomic/lateral force microscopy, 1013
Automotive resin degradation, 1632
Azo initiators, 239

BADGE (n = 0), 291
Bave, 1270
Bending, optimum condition, 111
Bentonite, 107, 396
Benzoyl peroxide, 424
Benzyl diethyldithiocarbamate, 938
BHET, 1221, 1229
Bioartificial organs, 1165
Biodegradable, 1615
Biodegradable polymer, 60
Biodegradation, 685
Biosensor support, 904
1,4-Bis(4-aminophenoxy)-2-*tert*-butylbenzene, 87
Blend, 232
Blends, 225, 361, 458, 553, 677, 692, 746, 1194, 1211
Blends interaction, 1303
Block copolymers, 437, 651
Boger fluid, 572
Brin, 1270
Brominated polystyrene, 225
Bromination, 599
Bulk crystallization, 78
2-Butanone, 424
Butyl acrylate, 833, 977

C_{60}-containing poly(m-ethyl methacrylate); poly(vinylidene fluoride), 1393
Calorimetry, 495, 1667
Capacitance-voltage measurement, 721
ε-Caprolactone/L-lactide copolymer (PCLLA), 874
Carbon black, 735
Carbon black reinforced rubber, 735
Carbon dioxide, 306
Carbon fiber, 284, 987, 994
Carbon-13 nuclear magnetic resonance, 1760
Carbonaceous surface modification, 1554
Castor oil, 1487
Catalyst, 1229
Catalysts, 1068, 1323
Catalytic imidization, 1026
Catalytic oxidation, 1068
Cellulose, 256, 327, 1624
Cellulose powder, 515
Cellulosic fibers, 175
Ceric ammonium nitrate, 977
CH_2O content, 390
Chain extension/branching, 1371
Chain-transfer agent, 424
Characterization, 857
Chemical composition, 480
Chemical groups, 1760
Chemical metal deposition, 1693
Chemical modification, 475
Chemical structure, 167
Chitosan, 119, 452, 740
Chlorine resistance, 1357
Chromophore, 447
Clay, 796
Clay-polyacrylate hybrid materials, 796
Clearcoat, 1632
Coagulation, 60
Coated fabric, 685
Coatings, 916
Cobalt complexes, 1068
Coconut husk, 1261
Coliquefaction, 1323
Compatibilization, 347, 355, 361, 371
Compatibilizer, 232
Competitor anion effect, 119
Complexation, 1288
Composite, 68, 994, 1345
Composite bipolar membrane, 1597
Composite interfaces, 256
Composite membrane, 1026, 1424
Composite membranes, 458, 1721
Composite particles, 1693
Composites, 447, 796, 987
Composition, 1205
Compost, 523
Compounding, 660

Conducting carbon black (CB), 68
Conducting polymer, 945, 1749
Conductive elastomers, 677
Conductivity, 68, 1176
Conformation, 452
Constrained layer configuration, 604
Controlled release, 1615
Convectional injection, 1640
Copolyimides, 87
Copolymer, 396, 424
Copolymer microstructure, 619
Copolymerization, 833, 928, 1474
Copper, 1458
Copper(II) ion, 766
Core-shell type nanoparticles, 1115
Corrosion, 1054
Cotton, 327
Cotton fabrics, 390
Covalent bonding, 1685
Crack opening displacement (COD), 1605
Cross-fractionation, 960
Cross-link density, 1378
Crosslinking, 149, 327, 1699
Crosslinking polymer gels, 1735
Crosslinking promoters, 1447
Cryostructuration, 1740
Crystalline memory effect, 337
Crystalline morphology, 1769
Crystallinity, 96, 566
Crystallization, 553, 1404
CTBN modified matrix, 952
CuCl/BDE complex, 802
Cure, 1458
Cure behavior, 26, 1278
Cure kinetics, 201
Curing, 660, 754, 1296, 1345
Curing agent, 201
Current–voltage curves, 1597
Cutoff ability, 1235
Cutting test, 1033
Cyclodextrin polymer, 1288
Cyclohexene, 1068
Cyclophosphamide, 35

Damping, 604
Deconvolution, 96
DEG, 1221, 1229
Degradable, 1522
Degradation, 406, 523
Degree of mixing, 1783
Dehydration, 740
Delamination area, 952
Depollution, 1624
Derivative thermogravimetric analysis, 508
Derivatives of bisphenol-S, 142
Desalination membrane, 1546
Devulcanization, 1493
Diallyl disulfide, 1493
Diaminodiphenylsulfone, 1357
Dibutylamine, 424
DICY, 1458
Dicyandiamide, 1458
Dielectric constant, 721
Diethanolamine, 424
Differential scanning calorimetry, 149, 465
Diffusion, 890
Diffusion of anticancer drug, 35
Diglycidyl ether of 2,7-dihydroxy naphthalene, 1345
Dimer, 424
Dimethylamino Nylon, 1546
4,4-Diphenyl sulfone dimethacrylate, 142
Discarded car bumpers, 999
Di-*t*-butyl perfumarate, 218
DLC, 1158
DMEU/MMEy prepolymer mixture, 390
DMTA, 728
Donnan equilibrium theory, 111
Dragonflies, 1632
Drug delivery system, 35, 1115
DSC, 291, 960
Dynamic mechanical analysis, 156
Dynamic mechanical behavior, 865
Dynamic mechanical thermal properties, 746
Dynamic rheological properties, 1416

Elastic modulus, 1211
Elasticity, 1371
Elastomer, 1522
Elastomers, 1127
Electric field, 111
Electrical resistivity, 1480
Electrochemistry, 1561
Electroconductive composites, 1385
Electron spin resonance, 1561
Electron-beam irradiation, 784
Electrophoresis, 1165
Electropolymerization, 1054, 1749
Electrostatic interaction, 1577
Electrostrictive polymer, 945
Elongation to break, 1149
Emulsion, 833, 968
Emulsion copolymerization, 1667
Encapsulation, 1165
Enzyme immobilization, 904, 1685
EP, 96
EPDM rubber, 784
EPDM/PP thermoplastic elastomers, 1033
Epoxide resin, 406
Epoxy, 201, 429, 1458
Epoxy networks, 638
Epoxy resin, 284, 528, 713
Epoxy/anhydride networks, 1365
Epoxy/PPO blends, 26
Erwinia gum, 1083
ESR spectrum, 218
Esterification, 327
Ethylene, 928
Extensional configuration, 604
Extent of cure, 1278

Falling-weight impact tests, 156
Fiber fineness, 508
Fibers, 766
Filled epoxy–amine reactions, 291
Filler–rubber interaction, 735
Films, 179
Finite size gap effects, 1776
Fire retardancy, 384
First normal stress difference, 572
Flame retardancy, 429
Flame retardant, 417
Flax, 508
Fluorescence probe, 247
Fluorescence spectroscopy, 815
Fluorination, 10
Fluoroalkyl methacrylate-grafted PDMS membrane, 773
Foam, 1371
Formation of porous structure, 142
Fracture energy, 1033
Free quenching, 1404
Free radical polymerization, 327
Free-radical copolymerization, 619
Free-radical kinetics, 239
Freeze–thaw-induced precipitation, 1740
Friction, 1013
FTIR, 119
FTIR spectroscopy, 256
Full impregnation, 713
Functional polysiloxanes, 1005
Functionality, 1655
Functionalized films, 904

Gas plasma treatment, 480
Gas separation, 1026
Gas separation membrane, 1554
Gel, 1339
Gel content, 1447
Gel permeation chromatography, 1165
Gel point, 1296
Gelatin, 987, 994

Gelling, 1296
Gel-spun PE, 1045
Glass fibers, 1013
Glass transition, 638, 865
Glass transition temperature, 495
Glutaraldehyde, 119
GPC, 1083
Graft, 916
Graft copolymer, 316, 599, 1350
Graft copolymerization, 977
Graft polymerization, 1261
Grafted chitosan, 1255
Grafted polyester, 1149
Grafting, 10, 766, 1144
Grafting reaction, 1149
Growth rate, 1769
Gum rosin, 406

HDPE, 1235
Heavy metals, 1624
Hexamethylene diisocyanate, 1487
High pressure, 306
High-density polyethylene (HDPE), 179
High-impact polystyrene, 865
High-modulus, 566
High-tension multiannealing, 1569
Hindered diffusion, 1180
^{1}H-NMR, 705
Holding power, 1535
HRMAS, 1288
Hybrids, 379
Hydrolysis, 583
Hydrophilic domain, 968
Hydrophilic solvent, 1331
Hydrophilicity, 424
4-Hydroxydiphenyl sulfone 4′-methacrylate, 142
Hydroxymethyl groups, 1243
Hydroxymethylated resorcinol, 1760
Hyperbranched, 612

Imidazoles, 201
Immobilization, 576
Impact, 1503
Impact performance, 952
In situ polymerization, 327
Inert diluent, 536
Infrared spectroscopy, 327, 685
Iniferter, 938
Injection molding, 1776
Injection–compression molding, 1640
Inorganic salt, 977
Inorganic salts, 1434
Instrumented Charpy impact test, 1605
Interfacial force, 275
Interfacial phosgenation, 545
Interfacial polymerization, 1721
Interpenetrating polymer network (IPN), 825
Interpenetrating polymer networks, 406, 1487
Interply and intraply hybrid composite, 952
Invertase, 1685
Ion beam irradiation, 1554
Ion irradiation, 1144
iPP/EP, 96
IR, 96
Isoelectric point, 1577
Isotactic polypropylene, 1404
Isothermal crystallization, 44, 337
Itaconic acid, 327

J-integral, 1605
Jute fibers, 1585
Jute/epoxy adhesion, 1585

Kinetic parameters, 291
Kinetics, 371, 705, 843, 1221, 1229, 1514, 1667

Laminate geometry, 952
LaRC PETI-5, 1278
Latent cure, 201
Layer, 396
LC thermosets, 1514
LDPE, 316
Leukocyte filters, 480
Light scattering, 1083
Lignite, 1323
Linear viscoelasticity, 1404
Liquid chromatography, 857
Liquid crystalline properties, 465
Liquid paraffin, 1235
Living polymer cation, 515
Living radical polymerization, 938
LOI, 429
Loss, 897
Low resolution NMR, 754
Low-concentration water systems, 1740
Low-density polyethylene (LDPE), 179, 1708

Macromolecular biocide, 1005
Magnetoresistivity, 1480
Main-chain-type polyimide, 1734
Maleated polypropylene, 256
Maleic acid, 327
Maleic anhydride, 424
Mannich bases, 1054
Mark–Houwink equation, 452
Mechanical mixture, 677
Mechanical properties, 384, 406, 987, 1211, 1493, 1569
Mechanical properties of foams, 156
Mechanical property, 1149
Mechanical relaxations, 1424
Melting point depression, 1393
Membrane, 60, 1235, 1357
Membrane characterization, 1180
Membrane interface, 1597
Mercaptan, 1655
2,2′-Mercaptoethylsulfide dimethacrylate, 1474
Mercury removal, 1261
Mesocyclic diamine crown ether, 1255
Metal ion, 523
Metal ions, 1255
Metal–insulator–semiconductor structure, 721
Metallocene catalysts, 928
Methacrylate, 612
Methacrylate acid, 766
Methacrylic copolymers, 495
β-Methacrylyoxylethyl 2-*N*,*N*-diethyldithiocarbamylacetate, 1350
Methyl methacrylate, 938, 1667
Methylaluminoxane-free cocatalyst, 843
Micro Raman spectroscopy, 135
Microspheres, 1615
Microstructural polymer studies, 1708
Miniemulsion, 916
Miscibility, 26, 1313, 1393, 1397
Mixing speed, 1783
Modeling, 705
Modification, 16
Modified ABS, 275
Modified polypropylene, 1194
Molecular microstructure, 960
Molecular mobility, 495
Molecular orientation, 1194
Molecular oxygen, 1138
Molecular structure, 660
Molecular weight, 1083
Molecular weight distribution, 1416
Monomer reactivity ratio, 619
Mooney viscosity, 1493
Morphology, 406, 437, 553, 1235, 1487
Moving Boundary model, 1075
MTBE-methanol, 1699
Multiblock copolymer, 545
Multiple melting endotherms, 44

Nanocomposites, 384
Nanoparticles, 874
Natural rubber, 670, 1339, 1535
Neural networks, 1416
Nimodipine, 874
Nitrilic rubber, 677
N,N′ ethyleneurea, 728
Nonisothermal kinetics, 1453
Novel composite membrane, 740
Nuclear magnetic resonance, 495
Nucleation density, 1769
Nylon-6, 1546

α-Olefin, 928
Olefins, 1138
Organic solvent, 977
Organic solvents, 1323
Organic–inorganic composite, 275
Oviposition, 1632
Oxidation, 1138
Oxidative coupling, 904

PA6, 232
Particulate filled composites, 1503
PBT polyesters, 1097
PC, 417
PE, 96
Pendent group, 1378
Perfluoropolyethers, 651
Permeability, 1165
Permselectivity, 773
Pervaporation, 740, 1424, 1699
PET, 78, 1221, 1229, 1371
PET nonwoven, 480
PET polyesters, 1097
pH effect, 119
Phase inversion process, 135
Phase separation, 247, 437, 1397
Phase transitions, 815
Phase-transfer catalysis, 1474
Phenol novolac, 528
Phenylethynyl terminated imide oligomer, 1278
Photodegradation, 1103
Photoelectron spectroscopy, 1561
Photografting, 1103
Photoiniferter, 1350
Photopolymerization, 583, 651
Photorefractivity, 447
Physical properties, 175
β-Pinene, 599
Piperazine, 1357
Plants, 175
Plasma polymerization, 1176
Plasma-graft polymerization, 284
Plasticized epoxies, 1365
Plateau modulus, 1535
Platinum, 119
PMMA, 1313
PMMA–PIB latex, 1075
Polarized Fourier transform infrared photoacoustic spectroscopy, 1194
Polarizing optical microscopy, 465
Poly(ε-caprolactone), 651
Polyacrylate superabsorbent, 1331
Polyacrylate superabsorbents, 808
Polyamide, 1357
Poly(amide-imide)s, 1721
Polyaniline, 149, 677, 945
Polyaniline film, 566
Polyanion, 16
Polybutadiene, 1655
Poly(butyl methacrylate), 825
Polybutylene terephthalate, 1089
Polycarbazole, 1561, 1749
Polycarbonate, 545
Polycarboxylic acids, 327
Polycation, 16
Polycondensation, 1296
Polydimethylsiloxane, 545
Poly(dimethylsiloxane), 1397
Poly(*d,l*-lactide-co-glycolide), 60
Polyemeraldine base, 149
Polyester, 916, 1089, 1441
Polyester fibers, 10
Polyesters, 1097
Poly(ethylene glycol) (PEG), 475, 1615
Poly(ethylene imine), 576
Poly(ethylene oxide), 316, 629, 1115
Polyethylene (PE), 523, 1144
Polyethylene terephthalate, 1089
Poly(ethylene terephthalate), 1158
Polyimide, 384, 1554
Polyimides, 1026
Polyisobutylene, 572
Poly(lactic acid), 629
Polylactide, 629, 1615
Polymer absorption, 857
Polymer alloy, 417
Polymer blend, 316
Polymer blends, 629, 1783
Polymer cluster, 1734
Polymer coatings, 1054
Polymer dissolution, 1075
Polymer hydrogel membrane, 111
Polymer optics, 1708
Polymer reactivity, 583
Polymer sensors, 1735
Polymer-bound cobalt complexes, 1068
Polymer-bound linear polymeric catalyst, 593
Polymeric materials, 1453
Polymeric plasticizers, 1303
Polymer-mold wall interface, 1776
Polymer-supported catalyst, 593
Polymethyl methacrylate, 437
Poly(methyl methacrylate–maleic anhydride)/silica hybrid, 379
Poly(*N*-iso-propylacrylamide), 1735
Poly(*N*-vinyl-2-pyrrolidone), 1434
Polyolefin elastomer, 692
Polyolefin foams, 156
Polyolefin identification by WAXS, 999
Poly(phenylene oxide), 225
Poly(*p*-phenylene sulfide) fiber, 1569
Polypropyelen–nylon 6 blend, 1769
Polypropylene, 553, 883, 890, 897
Polypropylene blend, 1769
Polypropylene fibers, 1211
Polypropylene, properties, 692
Polypropylene-phenol formaldehyde based compatibilizers, 347, 355, 361, 371
Polypyrrole, 1385
Poly(St-b-MMA), 802
Polystyrene, 306, 437, 865
Polysulfide polymers, 1205
Polysulfone, 1554
Poly(tetrafluroproethylene-co-perfluoromethylvinylether), 1447
Polyurethane, 68, 406, 437, 604, 1487, 1522, 1655
Polyurethane elastomers, 728
Polyurethane ionomers, 1385
Polyurethane/polybutyl-methacrylate interpenetrating polymer networks, 721
Poly(vinyl alcohol), 977, 1699
Poly(vinyl alcohol) hydrogels, 815
Poly(vinyl chloride) blends, 1303
Poly(vinylidene fluoride-trifluoroethylene) copolymer, 945
Poly(Y-benzyl L-glutamate), 1115
Poly(2-hydroxyethyl methacrylate) membrane, 1685
Poly(3-D(—)hydroxybutyrate), 746
Pore volume, 536
Porous biodegradable polymers, 629
Porous copolymers, 142
Porous membrane, 1546
Potentiometry, 1749
PP/EPDM/HDPE blends, 999
Precipitation method, 874

Pressure-sensitive adhesive (PSA), 1535
Prevulcanization inhibitor, 1493
Progesterone, 60
Properties of polypropylene, 843
Propylene polymerization, 843
Propylene-*g*-styrene copolymer, 553
Protein conjugation, 583
Protonic acid, 1480
Protons, 1221
P(St-*co*-MAA) microspheres, 1693
PSt-macromonomer, 1350
PVC compounding, 1303
PVC plasticizers, 1303
Pyrene derivative, 528

Quaternary ammonium salts, 1005

Radiation, 179
Radiation curing, 612
Radical addition, 1655
Radical initiator, 218
Radical polymerization, 218, 802
Radical yields, 1447
γ-Radiolysis, 1447
Rat tail tendon, 1577
Reaction time, 1760
Reclaim rubber, 1493
Reclaiming, 1493
Recycled plastic, 999
Recycling, 1493
Redox initiation, 327
Regime crystallization, 44
Relaxation time, 1371
Release behavior, 874
Renewable resource material, 1493
Residual stresses, 638, 1404
Resin, 1441
Resorcinol–formadelhyde, 1760
Rhabdomyoma, 35
Rheology, 1296
Rietveld refinement, 713
Rigid foam, 406
Rod-climbing, 572
Rubber, 735, 784
Rubber composition, 1378
Rubber vulcanizate, 1378

Saran F, 1313
SBS, 1103
Scanning electron microscopy, 508, 685, 713
Schiff base complex catalyst, 1138
SEC, 960
Secondary relaxation, 638, 865
Second-order fluid, 572
Segmented polyurethane, 35, 167
Self-nucleation effect, 337
SEM–EDAX, 119
Semi-conducting, 1176
Semicrystalline polymer, 1404
Separation, 857
S.F.C. tests, 1585
Shape memory properties, 68
Shear modulus, 1270
Shear relaxation modulus, 1404
Shrinkage, 1640
Shrinkage temperature, 1577
Side-chain-type polyimide, 1734
Silane coupling agents, 256
Silica, 384
Silica network, 275
Silicate, 396
Silicone membrane, 1424
Silkworm silk, 1270
Simulation, 705
SiOH-modified epoxy/anhydride oligomers, 1365
SiOx, 1158
Size, 1013
Size-exclusion chromatography, 857
Slurries, 107
Sol, 1339
Sol fraction, 1493
Sol-gel process, 275, 968
Solid state, 1288
Solid-state ion sensor, 1749
Solid-state NMR, 754
Solid-state polymerization, 78
Solubility, 883
Solubility parameter, 1331
Soluble polyimides, 1
Solution polymerization, 239
Solvent splitting, 1597
Solvent–water mixture, 1331
Sorbents, 1288
Sorption, diffusion, 773
Sorption isotherms, 119
Sorption kinetics, 119
Spacer arm, 1685
Spectrophotometric behavior, 1434
Spherulite size, 1769
Stabilization, 1103
Stabilizers, 883, 890, 897
States of water, 815
Statistical copolymers, 857
Stereocomplex, 1615
Sterically hindered amines, 883, 890, 897
Structure, 553, 1205
Styrene, 599, 802
Styrene–divinylbenzene copolymers, 536
Styrene–maleic anhydride copolymer, 267
Sulfosuccinic acid, 1699
Sulfur-containing resin, 1474
Superabsorbents, 808
Supercritical carbon dioxide, 1397
Supernucleophilic reagent, 593
Surface amination, 576
Surface characterization, 651
Surface charge, 16
Surface coatings, 1441
Surface dynamics, 1158
Surface energy, 10
Surface grafting of polymer, 515
Surface hardness, 968
Surface modification, 316, 480, 1585
Surface pattern, 267
Surfactant, 107
Swelling, 536
Swelling behavior, 994, 1331
Swelling ratio, 1424
Syndiotactic polypropylene, 44, 337
Synthesis, 1205, 1255

Tackifier, 1535
Tacticity, 1313
Tear test, 1033
Telechelic diol, 1655
Temperature-sensitive polymers, 1735
Tensile, 1503
Tensile modulus, 1270
Tensile properties, 746, 1447
Tensile strength, 1149
Termination, 515
Termination by nonradical substrate, 239
TGA, 1514
Theoretical diffusion curves, 670
Thermal contact conductance, 1776
Thermal degradation, 1339, 1514
Thermal expansion coefficient, 638
Thermal properties, 528, 746, 1655
Thermal property, 1487
Thermal stability, 406, 1278
Thermal stresses, 1404
Thermodynamic study, 291
Thermogravimetric analysis, 149, 685
Thermomechanical analysis, 660
Thermo-oxidative degradation, 1453
Thermoplastic elastomers, 1127
Thermoplastic polyurethane, 1194
Thermoplastic-filled epoxies, 638
Thermosets, 612
Thin films, 1054
Thin polymer film, 267

Thin-layer formation, 1026
Thiourea, 119
Tire fatigue, 1045
Tire reinforcement, 1045
Toluene, 306
Toluene diisocyanate, 705
Toluene-2,4-diisocyanate, 1487
Topological structure, 660
Transmission electron microscopy, 1708
Transmission loss, 604
Transmission-type holograms, 447
Transparent resin, 1474
Treatment stability, 480
TREF, 960
Triallylisocyanurate, 26
Trimethylol propane triacrylate (TMPTA), 784
Tubular reactor, 833

UF resins, 754
UHMWPE, 232
Ultrafiltration, 1, 1180
Ultrahigh molecular weight polyethylene, 1503
Uniform molding pressure, 1640
Uralkyd, 825
Urea–formaldehyde, 1296
Urea–formaldehyde adhesive resins, 1243
Urea-induced conformational change, 452
Urethane acrylate anionomer, 968
UV absorber, 1103
UV-curing, 968

Vegetable oil, 735, 1441
Vinyl acetate, 833, 1667
Vinyl monomer, 1487
1-Vinyl-2-pyrrolidone, 239
Viscoelastic behavior, 638
Viscoelastic properties, 566, 1569
Viscosity, 306, 1243
Volatile organic compounds, 773
Vulcanized rubber, 670

Washing out, 897
Waste plastics, 1323
Wastewater, 1261
Water absorbency, 808
Water permeability, 1235
Water uptake, 536
Water–alcohol mixture, 740
Water-soluble polymer, 247
Weibull Strength Analysis, 1585
Wettability, 10

X-ray photoelectron spectroscopy, 480

Ziegler-Natta and metallocene LLDPE, 960
Zinc, 1229
Zone drawing and zone annealing, 1569
Zone-drawing, 566